

Diffusion-Based Method and System For Detecting and Monitoring Activity of Biologic and Chemical Species

Abstract of Disclosure

A diffusion-based method for detecting activity of a biologic or chemical species is described. The method includes supplying the biologic or chemical species to a finite volume diffusion channel having a transport axis. The method further includes supplying a reactive constituent in fluid communication with the biologic or chemical species, whereby the reactive constituent is known or suspected of being reactive to the biologic or chemical species. The method further includes detecting the presence or absence of a diffusion gradient occurring between the biologic or chemical species and the reactive constituent. The presence or absence of the diffusion gradient can then be correlated to the presence or absence of activity of the biologic or chemical species.

Figures